

### **ABSTRACT**

**[0050]** Monolithic metallic parts having a dense core surrounded by a porous periphery. Metallic parts having a dense core surrounded by a porous periphery characterized by a multitude of interconnected pores. Dental implants and other prosthesis using such metal parts as a substrate coated with a bioactive material. Microwave sintering a compacted metal powder to produce such parts and prosthesis.